Climate change

Infosys Nagpur campus

Approach to carbon neutrality

Energy efficiency
To reduce emissions

Renewable energy
To avoid emissions

Carbon offsets
To offset emissions

CARBON NEUTRAL in 2023, making it the fourth year in a row

Infosys' climate commitments

- As a part of our ESG Vision 2030, we have committed to maintaining carbon neutrality across Scope 1, 2 and 3 emissions, each year.

- Our Climate Pledge, in partnership with Amazon and Global Optimism, is to become net zero by 2040.

- Infosys is the first Indian company to participate in the RE 100 initiative and set an internal carbon price.

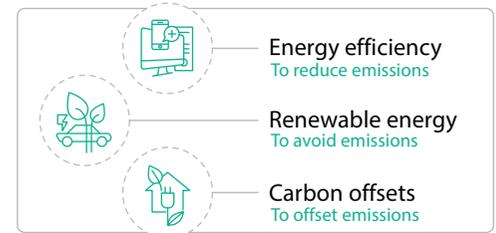- Our emission reduction targets are validated by the Science Based Target Initiative (SBTi).

Human activity has been increasingly driving the rise in global temperature, which has reached approximately 1.1° C above pre-industrial levels. This has led to rapid and widespread impact on global climate systems. The year 2022 was marked by record droughts, heat waves, forest fires, floods, and a record low level of the Antarctic Sea ice, crippling human population across the world. Despite the Paris Agreement of 2015 reaching a milestone in cooperation among various countries to adopt strong measures for limiting global warming to 1.5℃, the pace or scale of action has not been adequate to achieve the stated goals. As a step to mitigate the impacts of climate change, nations have adopted the Glasgow Climate Pact in 2021 with a goal to transform the 2020s into a decade of climate action and support. The World Economic Forum's 2023 Global Risks Report focuses on the various sectors where the world is at a crucial juncture, calling for action to get ready for possible future catastrophes, while on the other hand, striving to build resilience. The signatories to the Paris Agreement, including India, have put forward their commitments to reduce Greenhouse Gas (GHG) emissions in the form of INDCs (Intended Nationally Determined Contributions) based on their capabilities, circumstances and priorities.

At Infosys, climate change considerations continue to play a key role in all strategies: from mergers and acquisitions to leasing new offices and engagement with our stakeholders. While continuing to remain carbon neutral, Infosys also integrates strong efforts to better our sustainability performance by consistently embracing clean technology in our operations and client solutions, thereby minimizing the impact on the environment.

Emission reduction strategies

Our strategy for carbon neutrality remains the same—continue to reduce our Scope 1, 2 and 3 emissions and offset the remaining emissions.

Scope 1

- Better operational efficiency of our Diesel Generator sets
- Better management of fugitive emissions from HVAC units
- Transition to Electric Vehicles (EVs) for company-owned vehicles

Scope 2

- Design and build or lease new offices with low Energy Performance Index (EPI)
- Retrofit old buildings to improve EPI
- Source renewable power

Scope 3

- Include a hybrid working model
- Promote EVs among employees
- Promote carpooling, public transport, and low to zero-emission modes of commute among employees
- Optimize business travel
- Adopt a life cycle approach for capital goods

Energy efficiency

The growth of the IT sector has been phenomenal in the past decade and this has led to a major expansion of the Infosys workforce.

Keeping this growing demand in mind, Infosys has been a pioneer in building sustainable campuses. From creating lush green campuses to implementing innovative technologies like radiant cooling, Infosys has deployed one of the largest enterprise-level energy conservation programs globally and achieved significant reduction in resource intensity over the past 15 years.
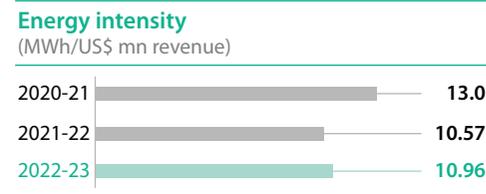
Our buildings are the primary consumers of energy. We are committed to building our new infrastructure in a sustainable manner and pursuing energy efficiency projects in existing infrastructure. We will continue to implement innovative technologies in buildings and collaborate with experts and academia to ensure our infrastructure is greener and smarter. The focus areas for energy efficiency measures in green buildings and existing buildings continue to be lighting, air-conditioning, automation, UPS, building façade, data centers, and server rooms.

In this process, we have not only achieved some of the global best standards in green buildings, but we have also set new benchmarks in green building certification.

Infosys Hyderabad campus in Gachibowli

In fiscal 2023, we consumed 199.66 Million kWh power in our operations across the globe.

Energy intensity
(MWh/US$ mn revenue)

Year	Value
2020-21	13.0
2021-22	10.57
2022-23	10.96

28.9 mn sq.ft.

with highest level of green certification

Life Cycle Analysis (LCA) of buildings

Being a leader in design and construction of sustainable buildings, Infosys is doubling its efforts to reduce carbon emissions by considering a LCA of buildings that looks at the upstream and downstream carbon emissions during their life cycle. This information is used to make a comparative analysis of alternative materials and construction technologies that can help reduce overall environmental impact.

The LCA can be used for the following purposes:

1. Identify potential for improvement of environmental performance.

2. Comparison of environmental performance using alternative materials.

3. Documentation of environmental performance for certification, labelling and marketing.

4. Drive our climate action agenda across our supply chain.

Infosys Kolkata's LCA-based approach has set an example for the rest of the corporates.

Command Center Data - the New Oil

By collecting and reporting data metrics, companies can better understand the impact of their operations on the environment, society, and governance. This data helps in arriving at a baseline against which emissions reduction can be tracked and monitored including inefficiencies, leakages, and excessive usage of resources.

The Command Center in Infosys Bangalore

Infosys collects data continuously through its command centers. This command center allows us to schedule 'auto-pilot operations' using a built-in intelligence system. This has enabled us to monitor over 35 mn sq. ft. of office space. Analyzing this granular data, Infosys has made informed decisions in new building design and improved operational efficiencies.

Our command center has also allowed us to adopt a data-driven operations approach to manage, on a real-time basis, occupant comfort, indoor air quality, energy intensity, water intensity, the health of critical assets, critical operations, renewable energy generation, water and waste treatment, and the overall performance at all levels within all our buildings in our campuses.

This data has played an instrumental role in facilitating Infosys to be a leader in carbon neutrality and setting high benchmarks in the industry.

Renewable energy

Greening the energy mix

To enhance its efforts towards meeting the environmental goal of carbon neutrality, Infosys has adopted the use of renewable energy in its power mix. Infosys has set up solar PV panels on the rooftops of office buildings. In total, Infosys has 14.4 MW of rooftop and ground mount solar PV panels. Further Infosys has set up a 40 MW captive solar power plant at Sira, Karnataka. In total, Infosys has 60 MW of total installed solar capacity.

Infosys also procures green energy through third-party power purchase agreements. Through these measures, Infosys has 57.9% share of renewable energy in its power mix for India operations.

Infosys Hyderabad and Bhubaneshwar are utilizing renewable energy from the recently-launched green tariff mechanism for Commercial and Industrial (C&I) consumers.

57.9%
of electricity for our India operations are from renewables

The solar field at the Infosys Hyderabad campus

Nurturing social development

Carbon offset program

Infosys was among the first corporates to commit to bold climate action. The Company took up active measures to reduce and streamline the energy demand in its campuses. This demand-focused approach helped in reducing carbon emissions to a great extent. Infosys has also invested in renewable energy (solar PV) plants to avoid emissions. However, there are unavoidable emissions due to business travel, employee commute etc., that had to be offset to achieve carbon neutrality.

Infosys' carbon offset program has carefully selected grassroots social development projects, implemented them at scale to generate emission offsets. While this approach requires careful long-term planning, intense due diligence, and strict management control, it is significantly more rewarding.

Infosys partnered with local NGOs to undertake projects in rural India that would benefit society. These projects include improved cookstoves and household biogas plants, which improved rural livelihoods, community health and social harmony. Improved indoor air quality and diversified income have ensured a better standard of living for women and children.

2,40,000+
rural families continue to benefit from our carbon offset programs

Since 2016, we have implemented eight efficient cookstove projects, four biogas, one each of rural electrification and integrated community-based projects (solar, cookstove, street lighting and public health center) across India.

Carbon neutral events

Infosys organizes a few public events through the year. In 2023, Infosys envisioned to make these events a hallmark of sustainability. Environment-friendly measures, like the use of sustainable construction materials, water conservation measures and zero plastic use, emphasized Infosys' holistic approach to sustainability. Detailed carbon emissions were calculated for the travel of the participants to the event. These were then compensated by Infosys' carbon credits. This effort made all the major events organized by Infosys in 2023 carbon neutral with minimum impact on the environment.

Improved cook stove

Self sustained Biogas unit